Modified open cell foam containing nanoparticles for e.g. automobile and cleaning applications, has specified density, pore diameter, surface area and sound absorption

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Abstract of **DE102004019708**

The foam has the following properties. Density 5-1000 kg/m3, mean pore diameter 1 mu m - 1 mm, a BET surface area of 0.1-50 m2/g and sound absorption exceeding 50% at a frequency of 2000 Hz at a layer thickness of 50 mm. It contains 1-4000 ppm, related to the weight of the unmodified open cell foam, of fixed particles (b) with a mean diameter (numerical mean) of 5 nm to 900 nm. - An INDEPENDENT CLAIM is included for the method of manufacturing the corresponding foam.